

AMENDMENTS

Current Listing of Claims:

1. (Currently amended) A method of treating dry animal manure solids, ~~wherein the manure solids are present within a dry animal litter composition,~~ comprising contacting the solids with an effective treatment amount of a treatment composition comprising $\text{AlCl}_3 \cdot n\text{H}_2\text{O}$ or $\text{Al}(\text{NO}_3)_3 \cdot m\text{H}_2\text{O}$ to form a treated waste product having an improved environmental, health and/or animal performance property, wherein n is from 0 to 10, and m is from 0 to 12.
2. (Original) The method of claim 1 wherein the treatment amount is effective to reduce phosphorus solubility in the manure.
3. (Original) The method of claim 1 wherein the treatment amount is effective to reduce phosphorus runoff and/or phosphorus leaching from fields fertilized with manure.
4. (Original) The method of claim 1 wherein the treatment amount is effective to inhibit ammonia volatilization from the manure.
5. (Original) The method of claim 1 wherein the treatment amount is effective to improve weight gains, feed conversion, and/or disease resistance of animals.
6. Cancelled
7. (Original) The method of claim 1 wherein the treatment amount is effective to reduce pathogens in the manure.
8. (Original) The method of claim 1 wherein the treatment amount is effective to increase the nitrogen content of the manure.

9. (Previously amended) The method of Claim 1, wherein the treatment amount is effective to reduce at least one of acid rain, atmospheric nitrogen loading and particulate matter less than 10 microns associated with the manure.
10. (Original) The method of claim 1 wherein the treatment amount is effective to reduce energy use in an animal rearing facility.
11. (Original) The method of claim 1 wherein the manure is from poultry.
12. (Previously amended) The method of claim 1 wherein the treated waste product comprises from about 0.001 to about 50 parts by weight of $\text{AlCl}_3 \cdot n\text{H}_2\text{O}$ or $\text{Al}(\text{NO}_3)_3 \cdot m\text{H}_2\text{O}$ and about 50 to about 99.999 parts by weight animal manure solids.
13. (Previously amended) The method of claim 1 wherein the treated waste product comprises from about 0.1 to about 20 parts by weight of $\text{AlCl}_3 \cdot n\text{H}_2\text{O}$ or $\text{Al}(\text{NO}_3)_3 \cdot m\text{H}_2\text{O}$ and about 99.9 to about 80 parts by weight animal manure solids.
14. (Previously amended) The method of claim 1 wherein the treatment composition comprises $\text{AlCl}_3 \cdot n\text{H}_2\text{O}$ and n is from about 4 to about 8.
15. (Previously amended) The method of claim 1 wherein the treatment composition comprises $\text{Al}(\text{NO}_3)_3 \cdot m\text{H}_2\text{O}$ and m is from about 7 to about 11.
16. (Previously amended) The method of Claim 1 wherein the treatment composition comprises aluminum chloride hexahydrate.
17. (Previously amended) The method of Claim 1 wherein the treatment composition comprises aluminum nitrate nonahydrate.

18. (Original) The method of Claim 1 wherein the treatment composition comprises a liquid including from about 0.05 to about 500 grams of solution residue of $\text{AlCl}_3 \cdot n\text{H}_2\text{O}$ or $\text{Al}(\text{NO}_3)_3 \cdot m\text{H}_2\text{O}$ per liter of liquid.
19. (Original) The method of Claim 1 wherein the treatment composition comprises a liquid including from about 0.5 to about 100 grams of the solution residue of $\text{AlCl}_3 \cdot n\text{H}_2\text{O}$ or $\text{Al}(\text{NO}_3)_3 \cdot m\text{H}_2\text{O}$ per liter of liquid.
20. (Original) The method of Claim 1 wherein the treated waste product has a pH of about 7.5 or below.
21. (Original) The method of Claim 1 wherein the treated waste product has a pH of about 6.5 or below.
22. (Original) The method of Claim 1 wherein the level of soluble phosphorus in the treated waste product is less than the level of soluble phosphorus in the animal manure solids.
23. (Cancelled)
24. (Cancelled)
25. (Currently amended) The method of Claim 23 1 wherein the treatment amount is effective to reduce ammonia emissions from manure.
26. (Original) The method of Claim 1 wherein the treatment amount is effective to reduce odor emissions from manure.
27. (Original) The method of Claim 1 wherein the treatment amount is effective to reduce transmission of one or more bacteria or pathogen from manure to animals and/or humans.